and Y axes to be oriented along said line at all times during each wire bonding operation.

REMARKS

The foregoing amendments are being made to make explicit features of the invention that were inherent to the claimed subject matter, namely that the longitudinal axis of the transducer is fixed along a line between the X and Y axes, so that the transducer is oriented along that line at all times. Since each of the Quick et al, Ellis et al and Cheng et al references disclose a transducer with rotatable head, they do not anticipate nor otherwise suggest the claimed subject matter.

Favorable consideration is respectfully requested.

Respectfully submitted,

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Marked-up Claim 1

1. (Twice Amended) Wedge wire bonding apparatus comprising:

(a) means for supporting a workpiece,

(b) a bonding head including a transducer having a longitudinal axis,

(c) means for causing relative movement of the workpiece and the transducer along orthogonal X and Y axes simultaneously, and

(d) means for supporting the bonding head above the workpiece such that the longitudinal axis of said transducer [lies, at all times during a wire bonding operation,] is fixed along a line dividing said X and Y axes to be oriented along said line at all times during each wire bonding operation.